6

OIPE

RAW SEQUENCE LISTING   DATE: 04/08/2002
PATENT APPLICATION: US/10/015,219   TIME: 08:55:08

```
        Input Set : A:\493c1.app.txt
        Output Set: N:\CRF3\04082002\J015219.raw
```

P.S

ENTERED

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 4 <110> APPLICANT: Algate, Paul A.
 6 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
 7        AND DIAGNOSIS OF OVARIAN CANCER
10 <130> FILE REFERENCE: 210121.493C1
12 <140> CURRENT APPLICATION NUMBER: US 10/015,219
13 <141> CURRENT FILING DATE: 2002-03-02
15 <160> NUMBER OF SEQ ID NOS: 1739
17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 264
21 <212> TYPE: DNA
22 <213> ORGANISM: Homo sapiens
24 <400> SEQUENCE: 1
25 ctggtatcac actctaccca agtcccaaaa gcaggttcac ataactcctg tcttcattat 60
26 ctgatatccg ggactttttc cctttcacct tccattatag gatgatgcag caagaaggcc 120
27 ctcaccagat accagtcctt tgatcttgga ctacccaggc ttcagaacta taagaaataa 180
28 atctccgttc tttgaggatt acccagtttg tgctattctg ttatggcagc acaaatgga 240
29 ctaagacata ggtccaatct aagg 264
31 <210> SEQ ID NO: 2
32 <211> LENGTH: 550
33 <212> TYPE: DNA
34 <213> ORGANISM: Homo sapiens
36 <220> FEATURE:
37 <221> NAME/KEY: misc_feature
38 <222> LOCATION: 9, 10, 494, 534
39 <223> OTHER INFORMATION: n = A,T,C or G
41 <400> SEQUENCE: 2
42 ctgaggaann tcttcattgg agggttgagc tttgaaacaa ctgatgagag cctgaggagc 60
43 cattttgagc aatggggaac gctcacggac tgtgtggtaa tgagagatcc aaacaccaag 120
44 cgctccaggg gctttgggtt tgtcacatat gccactgtgg aggaggtgga tgcagctatg 180
45 aatgcaaggc cacacaaggt ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
46 gaagattctc aaagaccagg tgcccactta actgtgaaaa agatatttgt tggtggcatt 300
47 aaagaagaca ctgaagaaca tcacctaaga gattattttg aacagtatgg aaaaattgaa 360
48 gtgattgaaa tcatgactga ccgaagcagt ggcaagaaaa ggggctttgc ctttgtaacc 420
49 tttgacgacc atgactccgt ggataagatt gtcattcaga aatccattcc tgtgaatgga 480
50 cctgcccggc cggncaaggg cgaaattcaa cacactttgg cggcgttacc taanggatcc 540
51 caacttcggt 550
53 <210> SEQ ID NO: 3
54 <211> LENGTH: 434
55 <212> TYPE: DNA
56 <213> ORGANISM: Homo sapiens
58 <400> SEQUENCE: 3
59 aaatttatga aactttcgaa cagtagcaac tgaaatttgt cacttttctg ttacgcagag 60
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RAW SEQUENCE LISTING   DATE: 04/08/2002
PATENT APPLICATION: US/10/015,219   TIME: 08:55:08

Input Set : **A:\493cl.app.txt**
Output Set: **N:\CRF3\04082002\J015219.raw**

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60 aatcagacct tttgataata tttgggaggg taaaagaaat atgccaaata tgaaaccttt 120
61 ttgtcagcac tacatacatc ttttttttgc ggggggcggg ggggacagag tctcactgtg 180
62 tcactcagac tggagtacag tgatgcgatc tcggctcact gcaacctccg cctcctgggt 240
63 tcaagcgatt ctcctgcttc agcctcctga gtagctggga ttacaggtgc acaccaccac 300
64 gcccggctaa ttttttgtatt tttagtagag atggggtttc accatgttgg tcaggctggt 360
65 cttgaactcc tgacctcgtt cctgccttag cctcctaaag tgccgggatt acaggcgtga 420
66 accaccgcac ctgg                                                   434
68 <210> SEQ ID NO: 4
69 <211> LENGTH: 381
70 <212> TYPE: DNA
71 <213> ORGANISM: Homo sapiens
73 <400> SEQUENCE: 4
74 aaaagaaaag acacctgggc ctgggggacc actaccacca agacgcggag accagtagtg 60
75 gccccaaatg ccaggctgca ctgatattta ttggatataa gacaaagggg cagggtaagg 120
76 aatgtgaacc atctccaata ataggtaagg tcacatgggt catgtgtcca ctggacaggg 180
77 ggcccttccc tgcctggcag cagaggcaga gagagagaga agagagagag acagcttatg 240
78 ccattatttc tgcatatcag acatttagta ctttcactaa tttgctcctg ctatctaaaa 300
79 ggcagagcca ggtatacagg atggaacatg aaagcggact aggagcgtga ccactgaagc 360
80 acagcatcac agggagacag g                                           381
82 <210> SEQ ID NO: 5
83 <211> LENGTH: 422
84 <212> TYPE: DNA
85 <213> ORGANISM: Homo sapiens
87 <400> SEQUENCE: 5
88 aaatggttac attgtaaact gttatataag tacctgataa tatcattaat tttgtttctt 60
89 ggcctgccat gcttaaaata ttaactctct ggccctttaa gaaaaaaacg tgctgacccc 120
90 tgctctagat caaagaaaac aaacctcaaa aatactttcc tccctctacc ccacttgacc 180
91 cttgtcccgg ggcagtaggc atctccgtca aaactcttgt ccctggtctg tggtaacttt 240
92 ctcagctccc caacccatgt ccctcaaagt cccctcccta tagggcaaga acccagcaac 300
93 ttcgctctgc cccgactcta ggcgggatgt agctcatttt gggatacgag tctccatcgt 360
94 ggagcctggc ttcttccgaa cccctgtgac caacctggag agtctggaga aaaccctgca 420
95 gg                                                                422
97 <210> SEQ ID NO: 6
98 <211> LENGTH: 261
99 <212> TYPE: DNA
100 <213> ORGANISM: Homo sapiens
102 <220> FEATURE:
103 <221> NAME/KEY: misc_feature
104 <222> LOCATION: 148, 180
105 <223> OTHER INFORMATION: n = A,T,C or G
107 <400> SEQUENCE: 6
108 ctgtccagtg acatctaggg aagcccagcc cccagcagca gcaggaactc ttggggacag 60
109 tctgtcttgt tgcaaagcca gcacagcaag cagcctccgc attagttcca tagcttgact 120
110 ggcttctaag atgggcattg tcaagatnca gaaatctcaa agcatcccct ctttgggctn 180
111 catcatccaa gggtgagaaa cagcagagcc taagtgagaa gtctgagtca acaccttggc 240
112 tcagttttca aaatgaattt t                                           261
114 <210> SEQ ID NO: 7
115 <211> LENGTH: 428
116 <212> TYPE: DNA
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RAW SEQUENCE LISTING   DATE: 04/08/2002
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        Input Set : A:\493cl.app.txt
        Output Set: N:\CRF3\04082002\J015219.raw

117 <213> ORGANISM: Homo sapiens
119 <400> SEQUENCE: 7
120 ctcacgttga tgtcaagact accgatggtt acttgcttcg tctgttctgt gttggtttta 60
121 ctaaaaaacg caacaatcag atacggaaga cctcttatgc tcagcaccaa caggtccgcc 120
122 aaatccggaa gaaagatgat ggaaatcatg acccgagagg tgcagacaaa tgacttgaaa 180
123 gaagtggtca ataaattgat tccagacagc attggaaaag acatagaaaa ggcttgccaa 240
124 tctatttatc ctctccatga tgtcttcgtt agaaaagtaa aaatgctgaa gaagcccaag 300
125 tttgaattgg gaaagctcat ggagcttcat ggtgaaggca gtagttctgg aaaagccact 360
126 ggggacgaga caggtgctaa agttgaacga gctgatggat atgaaccacc agtccaagaa 420
127 atctgttt   428
129 <210> SEQ ID NO: 8
130 <211> LENGTH: 305
131 <212> TYPE: DNA
132 <213> ORGANISM: Homo sapiens
134 <400> SEQUENCE: 8
135 cctggccgtg ttggccgcct ttctggagga gggcccggaa gaaaacagtg cctatgagca 60
136 gttgctgtct cgcttggaag aaatcgctga ggaaggctca gagactcagg tcccaggact 120
137 ggacatatct tgcactcctg ccctctgact tcagccgcta cttccaatat gaggggtctc 180
138 tgactacacc gccctgtgcc cagggtgtca tctggactgt gtttaaccag acagtgatgc 240
139 tgagtgctaa gcagctccac accctctctg cacccctgtg gggacctggt gactctcggc 300
140 tacag   305
142 <210> SEQ ID NO: 9
143 <211> LENGTH: 344
144 <212> TYPE: DNA
145 <213> ORGANISM: Homo sapiens
147 <400> SEQUENCE: 9
148 aaatgacgaa actcagcgga aatatattca gggattgaag aggttaatga ccatttgcca 60
149 gaaacacttt cctacagacc catccaaatg tgtggagtac aatgcactgt gagatctgtg 120
150 tatggtgtgt taataacaat aagaaactta gggaagcagg ctgtggactt ctggaattac 180
151 caacaggaat gaggaaagaa gaaaactgga gtttccagtc tctgagttct acctgatgta 240
152 actcttgatt ggttttaaga actttgttgg ccttcatttc atatctgact gcaagctgat 300
153 ttttctttct tgctttcatt ttaattagtc caaaattaag tttt   344
155 <210> SEQ ID NO: 10
156 <211> LENGTH: 377
157 <212> TYPE: DNA
158 <213> ORGANISM: Homo sapiens
160 <400> SEQUENCE: 10
161 aaaacctttta gcatttctgc ctataatatt tgggttttct tcttttccta tctttatttg 60
162 ataagtccca tcaaatattt tccccataat cacaatgttt tcttttcact ttgctcaaga 120
163 actgagttat gagctccaaa atttggacaa actctacatt ggctaagttt tagtcatttg 180
164 cactgctaag aaagatgaca attcagcatg ctgaagatga cttcctccct tataaagggg 240
165 ctaacacaga gggcaatact gttcatgctt ctgattcttg atcacaagaa ttgctttagg 300
166 caattacaat catgtctcct ctgacacatc atattattca agtgagacag agaaagaaga 360
167 tgtcctatgt cacacag   377
169 <210> SEQ ID NO: 11
170 <211> LENGTH: 381
171 <212> TYPE: DNA
172 <213> ORGANISM: Homo sapiens
174 <400> SEQUENCE: 11

RAW SEQUENCE LISTING   DATE: 04/08/2002
PATENT APPLICATION: US/10/015,219   TIME: 08:55:09

        Input Set : A:\493cl.app.txt
        Output Set: N:\CRF3\04082002\J015219.raw

175 aaaagaaaag acacctgggc ctgggggacc actaccacca agacgcggag accagtagtg 60
176 gccccaaatg ccaggctgca ctgatattta ttggatataa gacaaagggg cagggtaagg 120
177 aatgtgaacc atctccaata ataggtaagg tcacatgggt catgtgtcca ctggacaggg 180
178 ggcccttccc tgcctggcag cagaggcaga gagagagaga agagagagag acagcttatg 240
179 ccattatttc tgcatatcag acatttagta ctttcactaa tttgctcctg ctatctaaaa 300
180 ggcagagcca ggtatacagg atggaacatg aaagcggact aggagcgtga ccactgaagc 360
181 acagcatcac agggagacag g   381
183 <210> SEQ ID NO: 12
184 <211> LENGTH: 219
185 <212> TYPE: DNA
186 <213> ORGANISM: Homo sapiens
188 <400> SEQUENCE: 12
189 cctgaaggaa gagctggcct acctgaagaa gaaccatgag gaggaaatca gtacgctgag 60
190 gggccaagtg ggaggccggg tcagtgtgga ggtggattcc gctccgggca ccgatctcgc 120
191 caagatcctg agtggcatgc gaagccaata tgaggtcatg ccgagcagca accggaagga 180
192 tgctgaagcc tggttcacca gccggactga agaattgaa   219
194 <210> SEQ ID NO: 13
195 <211> LENGTH: 355
196 <212> TYPE: DNA
197 <213> ORGANISM: Homo sapiens
199 <220> FEATURE:
200 <221> NAME/KEY: misc_feature
201 <222> LOCATION: 344, 348
202 <223> OTHER INFORMATION: n = A,T,C or G
204 <400> SEQUENCE: 13
205 aaataatcca ggcaggagaa gagaggaggg cacacttgga actcccctcc ccacaatacg 60
206 tgattatta catttttagta attggacaat cccggctcag gaggaggttg caagaatctg 120
207 caaaagttgg agggagcgcc ccaggagaac aaacagcaag ccttatttcc cctagcccat 180
208 cccccaaaaa accatccatc ccatcctagt gtctggtggt gtccggtggt gtccatcttc 240
209 cattccttcc caaattatgg aagtaaggtt cttctcacca gaataagagc acttgggata 300
210 acagagtagg gtccctcac ccaaaaaaaa aaaaaaaaaa aaancttngg ggaaa   355
212 <210> SEQ ID NO: 14
213 <211> LENGTH: 658
214 <212> TYPE: DNA
215 <213> ORGANISM: Homo sapiens
217 <220> FEATURE:
218 <221> NAME/KEY: misc_feature
219 <222> LOCATION: 467, 527, 550, 579, 583, 600, 608, 616, 623, 625, 640, 655
220 <223> OTHER INFORMATION: n = A,T,C or G
222 <400> SEQUENCE: 14
223 gaaaagttcc cattcaggtg tcttggaaat tgaaaattca gtagatgatc tgagtagcag 60
224 aatggacata cttgaagaaa gaatagacag tctagaagat caaattgaag aattctctaa 120
225 ggatacaatg caaatgacca aacagataat tagtaaagaa aggcaaagag atatagagga 180
226 gagatctaga agttgcaaca ttcgtttgat aggaattcca gaaaaggaga gttatgagaa 240
227 tagggcagag gacataatta aagaaataat tgatgaaaac tttgcagaac taaagaaagg 300
228 ttcaagtctt gagattgtca gtgcttgtcg agtacctagt aaaattgatg aaaagagact 360
229 gactcctaga cacatcttgg tgaaattttg gaattctagt gataaagaga aaataataag 420
230 ggcttctaga gagagaagag aaattaccta ccaaggaaca agaatcnggt tgacagcaga 480
231 cttatcctgg acacactgga tgctagaagt aaatgggagc caatgtnttc aaaggtcttg 540

RAW SEQUENCE LISTING   DATE: 04/08/2002
PATENT APPLICATION: US/10/015,219   TIME: 08:55:09

Input Set : A:\493c1.app.txt
Output Set: N:\CRF3\04082002\J015219.raw

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 232 cttggaaaan ggcttttaat cctagaatct tttttccanc canattgcct tttgatttan 600
 233 ggggtaancc aaaggntttt ttntnttgaa gaatttagcn gatttgtttg cattngcc    658
 235 <210> SEQ ID NO: 15
 236 <211> LENGTH: 713
 237 <212> TYPE: DNA
 238 <213> ORGANISM: Homo sapiens
 240 <220> FEATURE:
 241 <221> NAME/KEY: misc_feature
 242 <222> LOCATION: 505, 521, 546, 560, 563, 575, 594, 596, 626, 639, 689, 691
 243 <223> OTHER INFORMATION: n = A,T,C or G
 245 <400> SEQUENCE: 15
 246 ctgcaattac atcatttttt atctatcttc tgctttact ttgtgtaggg tagggatggg 60
 247 gacttacaaa tgggccaaag acacttcaac ctcaaaacca aagagaaatc tctgcttgca 120
 248 gagatacaaa gaaagtaact ctccctctta tgaaaagcaa ccaggaactc tactccagtt 180
 249 atgagggcca ctgatggtgt gggagagcta tcaagaagat tcttcctaga cgtggtgcaa 240
 250 agacagtgag aacccaggaa atcacattca tgggacactt gctcttaccg tcatcaccct 300
 251 ctattctatc tcaactttgg ccccatcaaa tctaatgata aacaaagaa ggtaattaca 360
 252 tgtagaaaat caaagtgaat gggaatgtgg tggtgtgaac ataaaagaag aaattgaaaa 420
 253 caatcaaaag tttctcagtg ctgctttccc gcactgtcat agaaatctct gatccaattc 480
 254 ttcatatgtc taacttccaa ggaancgggc taacagcaca nacataggat ccaaggcatt 540
 255 cttggngcgg aaaattaagn ggngggcccc ctttngaatg gggactgcaa ccanangqct 600
 256 gggaaatcct tatactcccc tcccgnccgg ggctaattnc cattggtgaa acaatgttgg 660
 257 gggggaaaaa aggttttgct cctacctana ngaaccagag ggcttgttcc ccc          713
 259 <210> SEQ ID NO: 16
 260 <211> LENGTH: 616
 261 <212> TYPE: DNA
 262 <213> ORGANISM: Homo sapiens
 264 <220> FEATURE:
 265 <221> NAME/KEY: misc_feature
 266 <222> LOCATION: 539, 551, 560, 563, 593, 601
 267 <223> OTHER INFORMATION: n = A,T,C or G
 269 <400> SEQUENCE: 16
 270 ttcaaagaat cacttttagg cttacaaaaa taaatatttg tcaaaatgtt caataaatat 60
 271 tacataaaac tagcagcaaa aagtatctag aaatctgtcg tgtgcaaata gttttcttcc 120
 272 caactatcat tcccatggtc ccaaataaat tttagaatct agtcccatcc ccttcctaga 180
 273 caagctgcgt tcaacaatct ccaagagaca aagtaagatt ggaagtttaa ggacacgcac 240
 274 acaagacata tatataaaat tctctgaatg tgcaataaaa gaagtacttt gtaaaaagtt 300
 275 atgggcaaaa tgtacaaggg cctaaaccta gactaattga aatagcacca taacaaatga 360
 276 cctcaatact gtcaagtgca cctacttaat aaaagtttta gaacaaggca caatacactt 420
 277 gaaaatctat tgcactttag gaaatttttg ccgtcttcct atgccactgt aaaaagatgg 480
 278 agcgttttga tcaccgcatt ctggacctcg ggccgcgacc cacgctaagg gcgaaattnc 540
 279 agcacccctt ngcgggccgn ttnctagtgg gatcccaact cggtacccaa acnttggcgt 600
 280 naatcatggg ccatta                                                   616
 282 <210> SEQ ID NO: 17
 283 <211> LENGTH: 733
 284 <212> TYPE: DNA
 285 <213> ORGANISM: Homo sapiens
 287 <220> FEATURE:
 288 <221> NAME/KEY: misc_feature
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Use of n and/or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

Use of n and/or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

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VERIFICATION SUMMARY                    DATE: 04/08/2002
PATENT APPLICATION:  US/10/015,219      TIME: 08:55:10

           Input Set : A:\493cl.app.txt
           Output Set: N:\CRF3\04082002\J015219.raw
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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:50 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:210 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:502 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:504 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:524 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:525 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:526 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:527 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:528 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:529 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:530 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:554 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:555 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:556 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:592 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:593 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:594 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:595 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:596 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35

VERIFICATION SUMMARY   DATE: 04/08/2002
PATENT APPLICATION: US/10/015,219   TIME: 08:55:10

    Input Set : **A:\493cl.app.txt**
    Output Set: **N:\CRF3\04082002\J015219.raw**

```
L:651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41
L:687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41
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